

Special Issue

Recent Development in DC-DC Converter

Message from the Guest Editor

This Special Issue focuses on the latest advancements in DC-DC converter technology, emphasizing the pivotal role these components play in the broader landscape of power electronics. With a specific focus on high efficiency, high power density, digital control, and innovative topologies, this edition seeks to showcase cutting-edge research and developments that push the boundaries of what is possible in energy conversion systems. This Special Issue invites contributions from researchers, engineers, academics, and industry professionals who are working on the forefront of DC-DC converter technology. It aims to provide a comprehensive overview of the current trends, challenges, and breakthroughs in the field, facilitating a rich exchange of knowledge and ideas that could spearhead further innovation and application in power electronics. Topics of interest for publication include, but are not limited to, the following:

- Strategies for high-efficiency DC-DC converters;
- Strategies for high power density DC-DC converters;
- New circuit topologies;
- Magnetics design;
- Digital control;
- Electric vehicles and other industrial applications.

Guest Editor

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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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